For Research Use Only

TFEC Polyclonal antibody

Catalog Number:13547-1-AP

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Basic Information

Catalog Number:
13547-1-AP

Size:
150ul , Concentration: 450 µg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG4061

GenBank Accession Number:
BC029891

GeneID (NCBI):
22797

UNIPROT ID:
O14948

Full Name:
transcription factor EC

Calculated MW:
347 aa, 39 kDa

Observed MW:
35-40 kDa, 65 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:
WB, IP, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : mouse testis tissue, COLO 320 cells

IP : mouse testis tissue,

Background Information

The DNA-binding factor TFE3 contains adjacent helix-loop-helix (HLH) and leucine zipper (LZ) domains flanked by an upstream basic region. These protein motifs are frequently observed in other transcription factors and are particularly common to members of the Myc family. TFEC shares a bHLH/LZ structure with TFE3 and a closely related protein microphthalmia-associated transcription factor (MITF), which is critically involved in melanocyte differentiation. The expression of TFEC is mainly in fibroblasts, myoblasts, chondrosarcoma cells and myeloma cells. 50kDa TFEC isoforms are produced by alternative splicing (PMID: 29303964, PMID: 11467950).

Storage

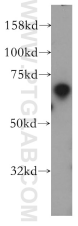
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

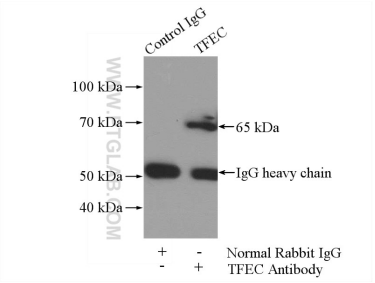
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 13547-1-AP (TFEC antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-TFEC (IP:13547-1-AP, 4ug; Detection:13547-1-AP 1:500) with mouse testis tissue lysate 4000ug.